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## NOTICE OF ALLOWANCE AND FEE(S) DUE

21559

7590

09/20/2010

CLARK & ELBING LLP 101 FEDERAL STREET BOSTON, MA 02110 EXAMINER

KINGAN, TIMOTHY G

ART UNIT PAPER NUMBER

1797

DATE MAILED: 09/20/2010

	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
Ī	10/519,014	12/21/2004	Denis Flandre	50304/053001	7279	

TITLE OF INVENTION: METHOD AND DEVICE FOR HIGH SENSITIVITY DETECTION OF THE PRESENCE OF DNA AND OTHER PROBES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$755	\$300	\$0	\$1055	12/20/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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If the SMALL ENTITY is shown as NO:

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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CLARK & EL 101 FEDERAL BOSTON, MA	BING LLP STREET	)/2010	S	hereby certify that tates Postal Service Idressed to the Ma	his Feet with su il Stop	e of Mailing or Transı (s) Transmittal is being fficient postage for firs ISSUE FEE address (1) 273-2885, on the d	g deposited at class ma above, or	ail in an envelope r being facsimile
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								(Signature)
			L					(Date)
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10/519,014 TITLE OF INVENTION	12/21/2004 N: METHOD AND DEV	ICE FOR HIGH SENSIT	Denis Flandre IVITY DETECTION O	THE PRESENCE	OF DN	50304/053001 A AND OTHER PROE	BES	7279
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nonprovisional	YES	\$755	\$300	\$0		\$1055		12/20/2010
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(A) NAME OF ASSI	GNEE	pletion of this form is NO	(B) RESIDENCE: (CI	ΓΥ and STATE OR		,	oup entity	Government
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a. Applicant claim	atus (from status indicate	us. See 37 CFR 1.27.	☐ b. Applicant is no l					
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10/519,014	12/21/2004	Denis Flandre	50304/053001	7279	
21559 75	90 09/20/2010	EXAMINER			
CLARK & ELBI	NG LLP	KINGAN, TIMOTHY G			
101 FEDERAL ST		ART UNIT	PAPER NUMBER		
BOSTON, MA 02	110	1797			
		DATE MAILED: 09/20/201	0		

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 535 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 535 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No.	Applicant(s)	
10/519.014	FLANDRE ET AL.	
Examiner	Art Unit	
TIMOTHY G. KINGAN	1797	
(OR REMAINS) CLOSED in to or other appropriate commun GHTS. This application is sure and MPEP 1308.	his application. If not included ication will be mailed in due course.	
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been received. been received in Application cuments have been received of this communication to file a JENT of this application.  itted. Note the attached EXAM as reason(s) why the oath or cost be submitted.	No in this national stage application from reply complying with the requiremental number of the stage application from the requiremental number of the stage application from the requiremental number of the stage application from	nts
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6.  ☐ Interview Sur Paper No./M 7.	nmary (PTO-413), ail Date mendment/Comment	
	10/519,014  Examiner  TIMOTHY G. KINGAN  Pars on the cover sheet with (OR REMAINS) CLOSED in toor other appropriate communication is suited and MPEP 1308.  Int filed 05/13/2010.  Inder 35 U.S.C. § 119(a)-(d) or the been received.  In been received in Application cuments have been received in Application.  Interview Surpaper No./M (St. S. Amendment / Comment or in the header according to 37 CFR (S. S. Amendment / Comment or in the header according to 37 CFR (S. S. C. S. THE DEPOSIT OF BIOLE (S. S. C. S. THE DEPOSIT OF BIOLE (S. C. S. C	TIMOTHY G. KINGAN  TOTAL  TART ON The cover sheet with the correspondence address (OR REMAINS) CLOSED in this application. If not included or or other appropriate communication will be mailed in due course.  GHTS. This application is subject to withdrawal from issue at the and MPEP 1308.  Int filed 05/13/2010.  The been received.  The been received in Application No  Tournents have been received in this national stage application from this communication to file a reply complying with the requirement of this application.  The beauth of this application is deficient.  The beauth of this application is deficient.  The beauth of the attached EXAMINER'S AMENDMENT or NOTICE is reason(s) why the oath or declaration is deficient.  The beauth of this application of the beauth of the be

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James D.DeCamp on 09/10/2010.

The application has been amended as follows:

Claim 1. A method for capacitive detection of the presence of target sample on a substrate with at least a pair of electrodes having a non-conductive surface layer, comprising the steps of:

- binding a target sample, having a deposition initiator, to selective binding sites on the substrate, a conductive label the target sample being bound onto said deposition initiator directly or indirectly labelled with conductive labels,
- -sensing the presence of the bound conductive labels to a binding site to thereby determine the presence of the target sample,

wherein the sensing step is a capacitive detection that is carried out by contacting the conductive label bound to said target sample to said non-conductive surface layer of said electrodes on said substrate a non-ohmic contacting, capacitive detection of the presence of the conductive labels using electrodes having non-conducting surfaces.

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(a) binding a target sample to a selective binding site on the substrate, a conductive label being bound to the target sample, the conductive label having a direct or indirect coupling to the target sample; and

(b) sensing the presence of the bound conductive label to the binding site to thereby determine the presence of the target sample, wherein the sensing step is a capacitive detection that is carried out by contacting the conductive label bound to said target sample to said non-conductive surface layer of said pair of electrodes on said substrate.

Claims 10-27. Canceled.

2. The following is an examiner's statement of reasons for allowance: The prior art of record does not teach or fairly suggest a method of capacitive detection of target sample labeled with a conductive label, the labeled target bound to a binding site on a substrate, the conductive label contacting electrodes of a pair, the electrodes comprising a non-conducting surface.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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#### Conclusion

 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. I. Besnard et al., U.S. Patent Application Publication 2009/0084162; A-A. Dhirani and Y. Suganuma, U.S. Patent Application Publication 2009/0273354, R.S. Pampin et al., U.S. Patent Application Publication 2009/0273356.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to TIMOTHY G. KINGAN whose telephone number is (571)270-3720. The examiner can normally be reached on Monday-Friday, 8:30 A.M. to 5:00 P.M., E.S.T.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 571 272-1267. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TGK /Jill Warden/
Supervisory Patent Examiner, Art Unit 1797